

In the Claims

Claims 1-42, 48, 52 and 55-57 (cancelled).

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Claim 43 (currently amended): A capacitor construction, comprising:

a first capacitor electrode;

a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different amount of crystallinity than the first layer; the perovskite-type dielectric material comprising barium, strontium, titanium and oxygen throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 44 (previously presented): The capacitor construction of claim 43 wherein the first layer comprises a thickness of from about 10Å to about 50Å; and the second layer comprises a thickness of from about 50Å to about 500Å.

Claim 45 (previously presented): The capacitor construction of claim 43 wherein the first layer has less crystallinity than the second layer.

Claim 46 (previously presented): The capacitor construction of claim 43 wherein the first layer is substantially amorphous and the second layer is substantially crystalline.

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Claim 47 (currently amended): The capacitor construction of claim 43 wherein the perovskite-type dielectric material comprises a third layer proximate the second capacitor electrode, wherein the second layer is between the first and third layers, and wherein the third layer has an amount of crystallinity that is about the same as the first layer.

Claim 49 (previously presented): The capacitor construction of claim 47 wherein the first layer comprises a thickness of from about 10Å to about 50Å; the second layer comprises a thickness of from about 50Å to about 500Å; and the third layer comprises a thickness of from about 10Å to about 50Å.

Claim 50 (currently amended): The capacitor construction of claim 43 wherein the perovskite-type dielectric material has a different chemical composition in the second layer than in the first layer.

Claim 51 (currently amended): The capacitor construction of claim 43 wherein the perovskite-type dielectric material has the same chemical composition in the first and second layers.

Claim 53 (currently amended): The capacitor construction of claim 43 wherein the perovskite-type dielectric material consists essentially of barium, strontium, titanium and oxygen throughout first and second layers.

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Claim 54 (currently amended): The capacitor construction of claim 43 wherein the perovskite-type dielectric material consists of barium, strontium, titanium and oxygen throughout the first and second layers.

Claim 58 (original): The capacitor construction of claim 43 wherein the first capacitor electrode comprises a metal.

Claim 59 (original): The capacitor construction of claim 43 wherein the first capacitor electrode comprises platinum.

Claim 61 (currently amended): A capacitor construction, comprising:

a first capacitor electrode;

a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different amount of crystallinity than the first layer; the perovskite-type dielectric material having the same chemical composition in the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 62 (currently amended): A capacitor construction, comprising:

a first capacitor electrode;

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a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different amount of crystallinity than the first layer; the perovskite-type dielectric material comprising barium strontium titanate throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 63 (currently amended): A capacitor construction, comprising:

a first capacitor electrode;

a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different amount of crystallinity than the first layer; the perovskite-type dielectric material comprising barium titanate throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 64 (currently amended): A capacitor construction, comprising:

a first capacitor electrode;

C' a perovskite-type dielectric material over the first capacitor electrode, the perovskite-type dielectric material comprising a first layer proximate the first electrode and a second layer against the first layer and further from the first electrode than the first layer, said second layer having a different amount of crystallinity than the first layer; the perovskite-type dielectric material comprising lead zirconium titanate throughout both the first and second layers; and

a second capacitor electrode over the perovskite-type dielectric material.

Claim 65 (currently amended): The capacitor construction of claim 64 wherein the perovskite-type dielectric material comprises lanthanum doped lead zirconium titanate throughout both the first and second layers.
